

## ABSTRACT OF THE DISCLOSURE

A color conversion relation derivation method derives a color conversion relation between a first color space and a second color space. This method comprises an area-forming step that forms a plurality of areas filling the first color space; a partial function derivation step that derives, for each of the areas formed in the area forming step, a partial function representative of a color conversion between coordinates in the area and coordinates of the second color space using a set of an arbitrary sample point provided in the first color space and a point in the second color space, which is associated with the sample point; and a whole function derivation step that combines the partial functions for the respective areas derived by the partial function derivation step to derive a whole function representative of the color conversion relation through the first color space in its entirety.